CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.11/NNS/CEMENT/2014-15

Date: 07.07.2014

TEST REPORT

CLIENT	:	**Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
AGENCY	:	**Mr. N.N. Srinivasaiah**, Contractor, Bangalore.
NAME OF THE WORK	:	Providing Chain Link Fencing and Blasting Rock, leveling and filling at Kuvempunagara 1st Stage, Burial Ground in Ward No.11, Vidyaranyapura, BBMP, Bangalore.
REFERENCE	:	AEE/VY/(WO)/511/2014-15 Dated: 04.07.2014
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	155 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	470 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	26.00 %	-

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Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.11/NNS/SAND/2014-15 : 07.07.2014

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah,** Contractor, Bangalore.

Name of Work : Providing Chain Link Fencing and Blasting Rock, leveling and filling at Kuvempunagara 1st Stage, Burial Ground in Ward No.11, Vidyaranyapura, BBMP, Bangalore.

Reference : AEE/VY/(WO)/511/2014-15 Dated: 04.07.2014

Date of Testing : 07.07.2014

Material : Sand Total Wt. of Aggregates in gms **2000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	96	4.80	4.80	95.2	90-100
2.36	219	10.95	15.75	84.3	75-100
1.18	524	26.20	41.95	58.1	55-90
600 Micron	412	20.60	62.55	37.5	35-59
300 Micron	485	24.25	86.80	13.2	8-30
150 Micron	209	10.45	97.25	2.8	0-10

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Job No.: CTCE/BBMP/W.No.11/NNS/AGG/2014-15 : 07.07.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah,** Contractor, Bangalore.

Name of Work : Providing Chain Link Fencing and Blasting Rock, leveling and filling at Kuvempunagara 1st Stage, Burial Ground in Ward No.11, Vidyaranyapura, BBMP, Bangalore.

Reference : AEE/VY/(WO)/511/2014-15 Dated: 04.07.2014

Date of Testing : 07.07.2014

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **26500**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	1025	3.87	3.87	96.13	95-100
20	15690	59.21	63.08	36.92	30-70
10	6630	25.02	88.09	11.91	10-35
4.75	2745	10.36	98.45	1.55	0-5

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NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.11/NNS/MS Angle/2014-15 26.07.2014

TEST REPORT ON STRUCTURAL STEEL

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah,** Contractor, Bangalore.

Name of work : Providing Chain Link Fencing and Blasting Rock, leveling and filling at Kuvempunagara 1st Stage, Burial Ground in Ward No.11, Vidyaranyapura, BBMP, Bangalore.

Reference : AEE/VY/(WO)/511/2014-15 Dated: 04.07.2014

Samples ID : Samples Supplied By Agency

Specimen Size : ISA-65X65X6mm (1m Length)

Sl.No	Description	Result
1	Thickness	6.15
2	Width	65.0 mm
3	Weight / Meter	5.845 Kg

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NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.11/NNS/MS Pipe/2014-15

26.07.2014

TEST REPORT ON M.S PIPE (38mm Dia)

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah,** Contractor, Bangalore.

Name of work : Providing Chain Link Fencing and Blasting Rock, leveling and filling at Kuvempunagara 1st Stage, Burial Ground in Ward No.11, Vidyaranyapura, BBMP, Bangalore.

Reference : AEE/VY/(WO)/511/2014-15 Dated: 04.07.2014

Samples ID : Samples Supplied By Agency

Specimen Size : M.S Pipe 38mm Dia

PHYSICAL TEST

Sl.No	Description	Result
1	Thickness	2.20 mm
2	Inner Diameter	38.45 mm
3	Outer Diameter	42.85 mm
4	Weight / Meter	1.890 Kg

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CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.11/NNS/Fencing/2014-15 26.07.2014

TEST REPORT ON CHAIN LINK FENCING WIRE (8TH Gauge)

Client : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N.N. Srinivasaiah,** Contractor, Bangalore.

Name of work : Providing Chain Link Fencing and Blasting Rock, leveling and filling at Kuvempunagara 1st Stage, Burial Ground in Ward No.11, Vidyaranyapura, BBMP, Bangalore.

Reference : AEE/VY/(WO)/511/2014-15 Dated: 04.07.2014

Samples ID : Samples Supplied By Agency

Sl.No	Description	Result
1	Diameter	4.10 mm
2	Internal Spacing	50 mm X 50 mm
3	Weight / Meter (1m x 1m)	4.235 Kg

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NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.11/NNS/CUBE/2014-15

23.08.2014

TEST REPORT ON CONCRETE CUBES

Client	: **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
Agency	: **Mr. N.N. Srinivasaiah,** Contractor, Bangalore.
Name of the work	: Providing Chain Link Fencing and Blasting Rock, leveling and filling at Kuvempunagara 1st Stage, Burial Ground in Ward No.11, Vidyaranyapura, BBMP, Bangalore.
Reference	: AEE/VY/(WO)/511/2014-15 Dated: 04.07.2014
Sample ID	: Pavement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.07.2014	23.08.2014	8.267	376.2	16.72
2	26.07.2014	23.08.2014	8.342	392.4	17.44
3	26.07.2014	23.08.2014	8.479	405.8	18.04

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